Central Laboratory:
Oakdale Campus
lowa City, lowa 52242

Date of Preliminary Report \_

319/353-5990

In stance f.

The University of Jowa

WEDSITY HYS IN ILLIES

SEP 2 3 34 4-193

Branch Laboratory:
Henry A. Wallace Bldg.
E. 9th & Grand
Des Moines, Ia. 50319
515/281-5371
Send Samples Here.

COMPLETE MINERAL ANALYSIS

**WELL DATA** GENERAL INFORMATION Washington (?) UniTH:IN Well Number COUNTY Date of Time Dis Construction\_\_\_\_ REPORT TO: M.W. VanLier - DATE Depth ft. RECEIVED: 8/12/83 WAWM, Region 6 IA\_\_\_52353 Hours Pumped Washington (Zip) Rate Pumped Laboratory Number 3-15812 Mineral Number\_ **FIELD DATA** Date of Collection\_\_\_\_ Previous Sample \_\_\_\_ Collector's Name - Sampling Point: Sample tap Umthrun Trucking Source of Sample \_\_\_\_ Was sample free of Turbidity when collected? ☐ Yes ☐ No Temperature Was Polyphosphate used? ☐ Yes ☐ No Alkalinity mg/liter as CaCO<sub>3</sub> P \_\_\_\_\_ Specific Conductance @ 25°C (77° F) \_\_\_\_ micromhos. LABORATORY ANALYSIS Langelier Index\_ Specific Conductance @ 25°C (77°F) 11,000 micromhos. pH(s) .8.5 Stability Index 14.2 Soluble Iron 72 mg/L Total Iron 67 mg/L Silica (SiO<sub>2</sub>) 240 mg/L Filterable Residue 8930 mg/L @103°C. Total Residue 9080 mg/L @103°C. Hardness as CaCO<sub>3</sub> 3480 mg/L Hardness as CaCO<sub>3</sub> 204 Alkalinity as CaCO<sub>3</sub> P none mg/L T none mg/L PESTICIDES: (mg/liter) TRACE METALS: (mg/liter) CATIONS: (mg/liter) Chlorinated Hydrocarbons: Silver < 0.01Arsenic < 0.01 Potassium - 170 Zinc 5.8 Barium 0.1 Sodium <u>650</u> Cadmium 0.05 Nickel Calcium \_\_\_ 820 Chromium 0.42 Strontium Soluble Magnesium\_\_\_\_ 19 Copper 7.2 Aluminum Total Manganese\_\_\_\_ Vanadium 0.84 Lead\_\_\_\_0.32 Organophosphates and Carbamates: Mercury \_< 0.001 Selenium <0.01 ANIONS: (mg/liter) Nitrate 1900 RADIOACTIVITY: (picocuries/liter) Fluoride <0.1 Gross Alpha Chloride 1300 <sup>226</sup>Radium Sulfate \_\_\_\_ 3600 228Radium\_\_ HERBICIDES: Bicarbonate 0 Gross Beta Carbonate 90Strontium Sample was fairly turbid & had some soil on COMMENTS: the bottom. Sample had unidentifiable odor. **ORGANICS:** 

30815348

Superfund

Date of Final Report AUG 3 0 1983